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SERIAL NO.: 10/541,511

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Page 3

#### AMENDMENTS TO THE CLAIMS

Please amend claim 1.

Please add new claim 7.

This listing of claims will replace all prior versions, and listings, of the claims in this application.

#### Listing of Claims

1. (Currently Amended) An electrochemical cell comprising a plurality of samples of material for testing electrocatalytic behaviour of a plurality of materials, said cell comprising:

a first electrode comprising bearing the plurality of samples of material to be tested;

a counter-electrode bearing an electrochromic material whose reflection, refraction or absorption of electromagnetic energy changes in a manner proportional to the total charge passed through it; and

an electrolyte between and in electrical contact with the first electrode and the counter-electrode;

wherein said first electrode comprises a plurality of regions, each region comprising bearing a sample of material to be tested, the regions being electrically connected to a common terminal, and

wherein the sample of material to be tested is an electrocatalyst, and the electrolyte contains the material whose reaction is to be catalysed by said electrocatalyst,

wherein said reaction changes the total charge passing through the counter-electrode bearing the electrochromic material, and the electrochromic material by said changes in reflection, refraction or absorption of electromagnetic energy in respect of each region is indicative of the respective electrocatalytic activities of each sample of material on said reaction.

2-4. (Canceled)

5. (Previously Presented) An electrochemical cell according to Claim 1 in which the electrochromic material is tungsten oxide.

6. (Previously Presented) An electrochemical cell according to Claim 1 in which a reference electrode is contacted with the electrolyte for potential measurement and control.

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Page 4

7. (New) An electrochemical cell according to Claim 1 wherein the first electrode comprises an electrically conductive substrate, and the sample materials are supported on the electrically conductive substrate.